

DAFTAR PUSTAKA

- Amusant, N., J. Beauchene, M. Fournier, G. Janin, dan M. F. Thevenson. 2004. *Decay Resistance in Dicorynia guianensis Amsh.: Analysis of Inter-Tree and Intra-Tree Variability and Relations With Wood Colour*. Ann. For. Sci. 61: 373–380.
- ASTM. 1985. *Annual Book of ASTM Standards. Section Four Construction Volume 04.09 Wood*. Philadelphia.
- Bhat, K. M. dan Florence M. 2003. *Natural Decay Resistance of Juvenile Teak Wood Grown in High Input Plantations*. *Holzforschung* Vol. 57, No. 5: 453 – 455.
- Bhat, K. M., P. K. Thulasidas, E. J. Maria Florence, dan K. Jayaraman. 2005. *Wood Durability of Home-Garden Teak Against Brown-Root*. *Trees* Vol. 19: 654 – 660.
- Brown, H. P., A. J. Panshin, dan C. C. Forsaith. 1952. *Textbook of Wood Technology*. McGraw-Hill Book Company Inc. New York.
- Browning, B. L. 1967. *Methods of Wood Chemistry Vol I*. Wiley (Interscience). New York.
- Burtin, P., C. Jay-Allemand, J. Charpentier, dan G. Janin. 1998. *Natural Wood Colouring Process in Juglans sp. (J. nigra, J. regia and hybrid J. nigra 23 x J. regia) Depends on Native Phenolic Compounds Accumulated in The Transition Zone Between Sapwood and Heartwood*. *Trees* Vol. 12: 258 - 264.
- Cook, S. I. dan K. G. Scott. 1933. *The Nutritional Requirement of Zootermopsis (Termopsis) angusticollis*. *Journal of cell Comp. Physiol.* Vol. 4: 95 – 100.
- Da Costa, E. W. B., P. Rudman dan F. J. Gay. 1958. *Investigations on The Durability of Tectona grandis*. *Empirical Forestry Review* Vol. 37: 291–298.
- Da Costa, E. W. B., P. Rudman dan F. J. Gay. 1961. *Relationship of Growth Rate and Related Factors to Durability in Tectona grandis*. *Empirical Forestry Review* Vol. 40: 308–319.
- Dinas Pertanian dan Holtikultura Kab. Gunungkidul, 2010. *Keadaan Curah Hujan Kabupaten Gunungkidul*. Yogyakarta.
- Direktorat Jendral Rehabilitasi Lahan dan Perhutanan Sosial. 2006. *Data Potensi Hutan Rakyat di Indonesia*. Direktorat Jendral RLPS, Departemen Kehutanan. Jakarta.
- Eaton, R. A. dan M. D. C. Hale. 1993. *Wood Decay, Pests, and Protection*. Chapman & Hall. London.
- Febrianto, F., W. Syafii, dan A. Barata. 2000. *Keawetan Alami Kayu Jati (Tectona grandis L.f.) Pada Berbagai Kelas Umur*. *Jurnal Teknologi Hasil Hutan* Vol. 13, No. 2.
- Fengel, D. dan G. Wegener. 1995. *Kayu: Kimia, Ultrastruktur, Reaksi-reaksi*. Gadjah Mada University Press (terjemahan). Yogyakarta.

- Ganapaty, S., P. S. Thomas, S. Fotso, dan H. Laatsch. 2004. *Antitermitic Quinones from Diospyros Sylvania*. *Phytochemistry* Vol. 65: 1265 – 1271.
- Gierlinger, N., D. Jacques, M. Schwanninger, R. Wimmer, L. F. Paques. 2003. *Heartwood Extractive and Lignin Content of Different Larch Species (Larix sp.) and Relationships to Brown-Rot Decay-Resistance*. *Trees* Vol. 18: 230 – 236.
- Gierlinger N., D. Jacques, M. Gardner, R. Wimmer, M. Schwanninger, P. Rozenberg, dan L. F. Pâques. 2004. *Colour of Larch Heartwood and Relationships to Extractives and Brown-Rot Decay Resistance*. *Trees* Vol. 18: 102 – 108.
- Hakim, L., R. Hartanto, dan A. H. Iswanto. 2006. *Jenis-Jenis Rayap yang Menyerang Gedung Bertingkat di Kota Medan*. *Peronema Forestry Science Journal* Vol. 2, No.1: 25 – 31.
- Hariadi, S. S. 2006. *Agricultural Extension Through Area Approach to Construct Villages as Growth Centre in Gunungkidul Regency*. Sekolah Tinggi Penyuluhan Pertanian Magelang. Yogyakarta.
- Harju, A. M., M. Venalainen, S. Anttonen, H. Viitanen, P. Kainulainen, P. Sarapaa, dan E. Vapaavuori. 2003. *Chemical Factors Affecting the Brown-Rot Decay Resistance of Scots Pine Heartwood*. *Trees* Vol. 17: 263 – 268.
- Hidayati, Fanny. 2010. *Anatomi dan Sifat Fisika Kayu Jati Unggul (Tectona grandis L.f.) Umur 5 Tahun yang Tumbuh di Gunungkidul pada Berbagai Laju Pertumbuhan*. Tesis Tidak Diterbitkan. Sekolah Pascasarjana Universitas Gadjah Mada: Yogyakarta.
- Haupt, M., H. Leithoff, D. Meier, J. Puls, H. G. Richter, dan O. Faix. 2003. *Heartwood Extractives and Natural Durability of Plantation-Grown Teakwood (Tectona grandis L.f.) – a Case Study*. *Holz als Roh- und Werkstoff* Vol. 61: 473 – 474.
- Haygreen J.G. dan J.L. Bowyer. 1986. *Hasil Hutan dan Ilmu Kayu*. Gadjah Mada University Press (terjemahan). Yogyakarta.
- Hillis, W. E. 1987. *Heartwood and Tree Exudates*. Springer. Berlin.
- Hon D .N., dan S. Minemura N. 2001. *Colour and Discoloration*. In: *Wood and Cellulosic Chemistry*. Hon, D. N. S., N. Shiraishi (editor). Marcel Dekker New York pp. 385 – 441
- Hungate, R. E. 1938. *Studies on the Nutrition of Zootermopsis II. The Relative Importance of the Termites and the Protozoa in Wood Digestion*. *Ecology* Vol. 19: 1 - 25.
- Irwanto. 2006. *Usaha Pengembangan Jati (Tectona grandis L.f.)*. Tesis Tidak Diterbitkan. Sekolah Pascasarjana Universitas Gadjah Mada: Yogyakarta.
- Iswanto, A. H. 2005. *Rayap Sebagai Serangga Perusak Kayu dan Metode Penanggulangannya*. e-USU Repository. Universitas Sumatera Utara. Medan.

- Kajornsrichon, S. dan E. B. Lauridsen. 1999. *Heartwood, Calcium and Silica Content in Five Provenances of Teak (Tectona grandis L.)*. *Silvae Genetica* Vol. 48: 1 – 3.
- Kirby, H. 1934. *Protozoa in Termite*. A report to The Termite Investigation Comitee. Univ. of California Press. California.
- Klumpers, J., dan G. Janin. 1992. *Influence of Age and Annual Ring Width on The Wood Colour of Oaks*. *Holz als Roh- und Werkstoff* 50: 167 – 171.
- Klumpers, J., G. Janin, M. Becker, dan G. Levy. 1993. *The Influences of Age, Extractive Content and Soil Water on Wood Color in Oak: The Possible Genetic Determination of Wood Color*. *Ann. Sci. For.* Vol. 1: 403s – 409s.
- Kokutse, A. D., A. Stokes, H. Bailleres, K. Kokou, dan C. Baudasse. 2006. *Decay Resistance of Togolese Teak (Tectona grandis L.) Heartwood and Relationship With Colour*. *Trees* Vol. 20: 219 - 223.
- Krishna, K. 1969. *Introduction. Biology of Termites*. Vol. 1: 1 – 17. Academy Press. New York.
- Lukmandaru, G. 2009a. *Pengukuran Kadar Ekstraktif dan Sifat Warna Pada Kayu Teras Jati Doreng (Tectona grandis)*. *Jurnal Ilmu Kehutanan* Vol. 3, No. 2: 67 – 73.
- Lukmandaru, G. 2009b. *Sifat Kimia dan Warna Kayu Teras Jati pada Tiga Umur Berbeda*. *Journal Tropical Wood Science and Technology* Vol. 7 No.1: 1 – 7.
- Lukmandaru, G. dan K. Takahashi, 2008. *Variation in the Natural Termite Resistance of Teak (Tectona grandis Linn. fil.) Wood as a Function of Tree Age*. *Ann. For. Sci.* Vol. 65: 1286 – 1296.
- Marsoem, S. N. 2000. *Bahan Kuliah Sifat Fisika dan Mekanika Kayu*. Teknologi Hasil Hutan Fakultas Kehutanan UGM.
- Martawijaya, A., K. Iding, K. Kosasi, dan P. A. Soewanda. 1981. *Atlas Kayu Indonesia Jilid I*. Pusat Penelitian dan Pengembangan Hasil Hutan. Bogor.
- Moya, R. dan A. Berrocal. 2010. *Wood Colour Variation in Sapwood and Heartwood of Young Trees of Tectona grandis and its Relationship With Plantation Characteristics, Site, and Decay Resistance*. *Ann. For. Sci.* Vol. 67: 109.
- Murbani. 2009. *Kemandirian Ekonomi Melalui Sertifikasi Hutan Rakyat (Kasus di Gunungkidul)*. Dishutbun Kab. Gunungkidul. Yogyakarta.
- Nandika, D. dan H. Adijuwana. 1995. *Ekstraksi Enzim Selulase dari Rayap Kayu Kering Crptotermes cynocephalus Light serta rayap tanah Captotermes curvignathus Holmgren dan Macrotermes gilvus Hagen*. *Jurnal Teknologi Hasil Hutan Fakultas Kehutanan IPB* Vol. 8, No 1.



- Narayanamurti, D., J. George, H. C. Pant, J. Singh. 1962. *Extractive in Teak*. *Silvae Genetica* Vol. 11, No. 3: 57 – 63.
- Ngee, P., A. Tashiro, T. Yoshimura, Z. Jaal, C. Lee. 2004. *Wood Preference of Selected Malaysian Subterranean Termites (Isoptera: Rhinotermitidae, Termitidae)*. *Sociobiology* Vol. 43. No. 3: 535 – 550.
- Nicholas, D. D. 1987. *Kemunduran (Deteriorasi) Kayu dan Pencegahannya Dengan Perlakuan-Perlakuan Pengawetan Jilid 1*. Airlangga University Press (terjemahan). Surabaya.
- Nuriyatin, N., E. Apriyanto, N. Satriya, dan Saprinurdin. 2003. *Ketahanan Lima Jenis Kayu Berdasarkan Posisi Kayu Di Pohon Terhadap Serangan Rayap*. *Jurnal Ilmu-Ilmu Pengetahuan Indonesia*. Vol. 5, No. 2: 77 – 82.
- Pereira, H., J. Graca, dan J. C. Rodrigues. 2003. *Wood chemistry in relation to quality*. Dalam: *Wood Quality and Its Biological Basic*. Barnett, R. J. dan G. Jeronimidis (editor). Blackwell Publishing Ltd. USA.
- Perum Perhutani. 2008. *Rencana Jangka Panjang Perum Perhutani 2008-2012*. Perum Perhutani. Jakarta.
- Polato, R., P. B. Laming, dan R. Sierra-Alvarez. 2005. *Assessment of Some Wood Characteristic of Teak of Brazilian Origin*. *Proceeding of the International Conference of Quality Timber Product of Teak from Sustainable Forest Management* pp. 257 – 265.
- Prawirohatmodjo, S. 1997. *Kimia Kayu*. Gadjah Mada University Press. Yogyakarta.
- Purwowidodo. 1991. *Gatra Tanah dalam Pembangunan Hutan Tanaman*. IPB Press. Bogor.
- Raffiudin, R. D. Nandika, M. Amir, dan N. Sugiri. 1991. *Populasi flagelata Pada Usus Rayap Captotermes curvignathus Holmgren dengan Pemberian Pakan Tiga Jenis Kayu*. Proc. Seminar Ilmiah dan Kongres Nasional Biologi X. Perhimpunan Biologi Indonesia dan Pusat Antar Universitas Ilmu Hayat IPB. Bogor.
- Rowell, R. M. 1984. *Bonding of Toxic Chemicals of Wood*. *Applied Biochem. Biotechnol.* Vol. 9: 447 – 453.
- Rudi. 1999. *Preferensi Makan Rayap Tanah Captotermes curvignathus Holgren (Isoptera: Rhinotermitidae) Terhadap Delapan Jenis Kayu Bangunan*. Tesis. Tidak diterbitkan.
- Rudi, dan D. Nandika. 1999. *Konsumsi Makan dan Daya Hidup Rayap Tanah Captotermes curvignatus HOLMGREN (Isoptora: Rhinotermitidae) Pada Pengujian Laboratorium*. Pusat Antar Universitas IPB. Bogor.

- Rudman, P., E. W. B. Da Costa, dan F. J. Gay. 1966. *Wood Quality in Plus Trees of Teak (Tectona grandis L.f.)*. Sylvae Genetica Vol. 16: 102 – 105.
- Sandermann W, dan Simatupang M. H. 1966. *On The Chemistry and Biochemistry of Teakwood (Tectona grandis L. f.)*. Holz als Rohund Werkstoff Vol. 24: 190 – 204.
- Schultz T. P., dan D. D. Nicholas. 2000. *Naturally Durable Heartwood: Evidence for a Proposed Dual Defensive Function of The Extractives*. Phytochemistry Vol. 54: 47 – 52.
- Shibutani, S., K. Takata, dan S. Doi. 2007. *Quantitative Comparisons of Antitermite Extractives in Heartwood from The Same Clones of Cryptomeria japonica Planted at Two Different Sites*. J. Wood Sci. Vol. 53: 285 – 290.
- Sjostrom, E. 1995. *Kimia Kayu: Dasar-Dasar Penggunaan*. Gadjah Mada University Press (terjemahan). Yogyakarta.
- Sornnuwat, D. 1996. *Resistance of Commercial Timbers and Fast Growing Timber of Thailand for Building Contruction to Captotermes gestroi Wasmann*. Proceeding the 1996 Annual Meeting of The International Research Group on Wood Preservation. Stocholm Sweden.
- Sudjana. 2002. *Metode Statistika*. Tashiro. Bandung.
- Supriana, N. 1983. *Perilaku Rayap Perusak Kayu*. Prosiding Pencegahan dan Penanggulangan Bahaya Rayap Pada Bangunan. Lembaga Hasil Hutan Bogor. Bogor.
- Suryana, Y. 2001. *Budidaya Jati*. Swadaya. Bogor.
- Syafii, W., M. Samejima, dan T. Yoshitomo. 1987. *The Role of Extractive in Decay Resistance of Ulin Wood (Eusideroxylon zwageri T. et B.)*. Bull. Tokyo Univ. For. Vol. 77: 1 – 8.
- Taylor, A. M., G. Barbara L, J. Jeffrey M., dan K. Tsunoda. 2006. *Effects of Heartwood Extractive Fractions of Thuja plicata and Chamaecyparis nootkatensis on Wood Degradation by Termites or Fungi*. J. Wood Sci. Vol. 52: 147 – 153.
- Tim Elsppat. 1997. *Pengawetan Kayu dan Bambu*. Puspa Swara. Jakarta.
- Venalainen M., A. Harju, P. Saranpaa, P. Kainulainen, M. Tiitta, dan P. Velling. (2003). *The Concentration of Phenolics in Brown-Rot Decay Resistant and Susceptible Scots Pine Heartwood*. Ann. For. Sci. Vol. 60: 409 – 417.
- Venalainen, M., A. M. Harju, N. Terziev, T. Laakso, dan P. Saranpaa. 2006. *Decay Resistance, Extractive Content, and Water Sorption Capacity of Siberian Larch (Larix sibirica Lebed.) Heartwood Timber*. Holzforschung, Vol. 60: 99 – 103.

Wangaard, F. F. 1966. *Resistance of Wood to Chemical Degradation*. Forest Product Journal Vol. 16, No. 2: 53 – 64.

Wilcox W. W, dan D. D. Piirto. 1976. *Decay Resistance in Redwood (*Sequoia sempervirens*) Heartwood as Related to Color and Extractives*. Wood Fiber Sci. Vol. 7: 240 – 245

Wilkins, A. P. dan C. M. Stamp. 1990. *Relationship Between Wood Colour, Silvicultural Treatment and Rate of Growth in *Eucalyptus grandis* Hill (Maiden)*. Wood Sci. Technol. Vol. 24: 297 - 304.

Windeisen, E. dan G. Wegener. 2002. *Investigation of The Correlation Between Extractives Content and Natural Durability in 20 Cultivated Larch Trees*. Holz als Roh- und Werkstoff Vol. 60: 373 – 374.

Windeisen, E., A. Klassen, dan G. Wegener. 2003. *On the Chemical Characterisation of Plantation Teakwood from Panama*. Holz als Roh- und Werkstoff Vol. 61: 416 – 418.

Wolcott, G. 1955. *Organic Termite Repellents Tested Against *Cryptotermes brevis**. Journal of Agriculture of the University of Puerto Rico Vol. 39: 115 - 49.

Yamamoto, K., H. Simatupang, dan R. Hashim, 1998. *Caoutchouc in Teak Wood (*Tectona grandis* L.f.): Formation, Location, Influence on Sunlight Irradiation, Hydrophobicity and Decay Resistance*. Holz als Roh- und Werkstoff Vol. 56: 201 – 209.